

LE 800

Preliminary

Rugged HMD



Evaluation Units Now Available

Call for production schedule

The LE 800 is a high performance ruggedized solution for situational awareness applications. Available in full color SVGA or monochrome video this lightweight versatile product provides a display for portable computing and remote viewing. Its see-thru technology is extremely advanced and high performance. This is the perfect solution for augmented reality projects that require a ruggedized solution.



The Liteye family of products are made for many different niches. These include but are not limited to, medical, industrial and military arenas.

Many different accessory packages and custom firmware builds create a large selection to fit the COTS, MOTS and other custom application.

Feel free to talk to our sales representatives to find the best possible fit to maximize your application.

Visit www.liteye.com or call 720 974 1766 (MST USA) for more information.



1. LE 800 Specifications

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Model		LE-600	
DISPLAY			
Technology		OLED	
Resolution		800x600 and 640x480 4:3/16:9 aspect available	
Contrast		≥100:1	
Luminance (MAX) *		Color: 300 cd/m ² White: 1800 cd/m ² Green: 3000 cd/m ²	
OPTICAL			
FOV (diagonal)		24° @ 640 x 480 28° @ 800x600	
Transmission		Direct View	
Optics		Beam Splitter	
Eye Relief		> 22mm	
Exit Pupil		Non Pupil Forming	
Diopter Adjustment		-2 +2	
MECHANICAL			
Size		TBA	
Mounting		Custom	
Weight		85 grams	
VIDEO INTERFACE			
VESA (VGA/SVGA)		TBA	
Composite (PAL/NTSC)		TBA	
Connector		Mil Spec connectors available (Optional)	
Video Inputs <i>The input is determined by software build during time of assembly Please contact a Liteye representative for further explanation</i>		Customer Specific	
POWER INPUT			
Voltage		5-6V DC, 400mW (Typical)	
USER CONTROL			
3 Button On Cable		Brightness + - Contrast Custom software build available	
ENVIRONMENTAL STANDARDS			
Shock		3 ft drop to concrete	
Temp Operating		-40C to +65C	
Temp Storage		-50C to +80C	
Immersion		1 Meter 10min	
PROTECTION			
EMI Protection		TBA	
SYNCHRONIZATION PULSE POLARITY			
Mode	VGA 60Hz	SVGA 60Hz	For other available refresh rates please contact sale.
Hsync Polarity	Negative	Positive	Please see the REFERENCE Section of this manual for more information.
Vsync Polarity	Negative	Positive	

* OLED: SVGA+ XL Rev3



HMD and Tactical Displays

www.liteye.com

720 974 1766

Contact person: sales@liteye.com

Specification Subject to change

LE 800 FEATURES INCLUDED WITH THE HMD

Preliminary



Included is a cover that can be used to provide see-thru or non-see-thru operation. When not in use the cover is stowed securely under the HMD. It is attached to the HMD using an elastic band that allows easy operation.



The LE 800 is available with a mount that fits many typical combat helmets. The mount allows the 800 to rotate up out of the way and also switch between left and right eye use. It attaches with an adjustable strap providing a stable platform for the LE 800.



One of the most unique features of the LE 800 is the use of a UV sensitive filter on the front of the HMD. This filter will darken when in bright sunlight. It allows more contrast of the display in bright conditions. It quickly adjust when going from bright to dark or dark to bright conditions.

Call for more information



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